

PROCESS FOR PRODUCTION OF COMPOUND OXIDES

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ABSTRACT OF THE DISCLOSURE

10 To provide a process for production of compound  
oxides having homogeneously diffused and mixed elements,  
there is provided a process for production of compound  
oxides, comprising contacting an organic phase having  
dissolved therein an organic compound which produces the  
hydroxide of a first element when hydrolyzed, with an  
aqueous phase containing a second element as an ion, to  
15 produce the hydroxide of the first element by hydrolysis  
reaction of the organic compound at the interface while  
incorporating the second element in the product, and  
firing the resulting product to produce a compound oxide  
of the first element and second element. Third or  
20 additional elements may be included in the aqueous phase  
to produce compound oxides comprising third or additional  
elements.